

Microtubule Associated Protein 4 Recombinant Protein | MAP4 recombinant protein

Recombinant Microtubule Associated Protein 4 (MAP4)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA144140	E.Coli	Mus musculus (Mouse)	Immunoprecipitation, Immunoprecipitation, ELISA, Western Blot, SDS-Page

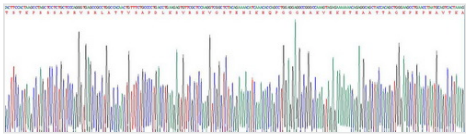
PRODUCT SYNONYMS

Microtubule Associated Protein 4; Recombinant Microtubule Associated Protein 4 (MAP4); MAP4 recombinant protein

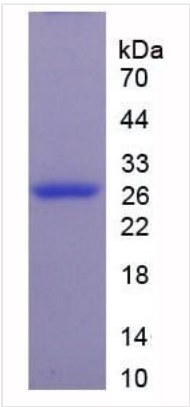
PRODUCT SPECIFICATIONS

Host	E.Coli
Reactivity	Mus musculus (Mouse)
Purity/Purification	>95%
Form/Format	100mM NaHCO ₃ , 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
Concentration	200ug/mL (varies by lot)
Applicable Applications for MAP4 recombinant protein	IP (CoImmunoprecipitation), IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Source	Prokaryotic expression
Residues	Thr882–Glu1062
Tags	N-terminal His-Tag
Tissue Specificity	Kidney, Brain.
Subcellular Location	Cytoplasm, cytoskeleton
Traits	Freeze-dried powder
Predicted isoelectric point	10.2
Predicted Molecular Mass	22.3kDa
Accurate Molecular Mass	27kDa as determined by SDS-PAGE reducing conditions.
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 100mM NaHCO ₃ , 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Application Data



SDS-PAGE

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SAPDLKSVRS KVGSTENIKH QPGGGRKVE TSTKPSSSA PRVSRLATTV
AGSIAAOKP PAGKVQIVSK KVSYSHTQSK CGSKDNIKHV PGGGNVQIQN
KKVDISKVSS KCGSKANIKH KPGGDDVKIE SQKLNFEKA QAKVGSLONV
GHLPAAGGAVK TE
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Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	641916
NCBI Official Full Name	microtubule-associated protein 4
UniProt Protein Name	Microtubule-associated protein 4
UniProt Gene Name	MAP4
UniProt Synonym Gene Names	MAP-4
UniProt Entry Name	MAP4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/map4-recombinant-protein-e-coli-ip-coimmunoprecipitation-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/144140>